

STN
10531663

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(FILE 'HOME' ENTERED AT 11:45:59 ON 05 NOV 2009)

FILE 'CAPLUS' ENTERED AT 11:46:17 ON 05 NOV 2009

L1 8548 S HIF
L2 7853 S L1 AND HYPOXIA
L3 124 S L2 AND FIH
L4 10 S L3 AND CRYSTAL?
L5 10 S L4 AND HYDROXYL?
L6 9 S L5 AND STRUCTURE

=> d L6 1-9

L6 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2008:1106654 CAPLUS
DN 149:527266
TI Evidence That Two Enzyme-derived Histidine Ligands Are Sufficient for Iron Binding and Catalysis by Factor Inhibiting HIF (FIH)
AU Hewitson, Kirsty S.; Holmes, Samantha L.; Ehrismann, Dominic; Hardy, Adam P.; Chowdhury, Rasheduzzaman; Schofield, Christopher J.; McDonough, Michael A.
CS Chemistry Research Laboratory, The Department of Chemistry, University of Oxford, Oxford, OX1 3TA, UK
SO Journal of Biological Chemistry (2008), 283(38), 25971-25978
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2008:14590 CAPLUS
DN 148:162028
TI Cell oxygen sensor: hypoxia-inducible factor asparaginyl hydroxylase
AU Fu, Dai-Yan; Dai, Ai-Guo; Hu, Rui-Cheng
CS Department of Respiratory Medicine, Hunan Institute of Gerontology, Hunan Province Geriatric Hospital, Changsha, 410001, Peop. Rep. China
SO Zhongguo Shengwu Huaxue Yu Fenzi Shengwu Xuebao (2007), 23(11), 905-910
CODEN: ZSHXF2; ISSN: 1007-7626
PB Zhongguo Shengwu Huaxue Yu Fenzi Shengwu Xuebao Bianjibu
DT Journal
LA Chinese

L6 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2007:877462 CAPLUS
DN 147:421490
TI Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor
AU Coleman, Mathew L.; McDonough, Michael A.; Hewitson, Kirsty S.; Coles, Charlotte; Mecinovic, Jasmin; Edelmann, Mariola; Cook, Kristina M.; Cockman, Matthew E.; Lancaster, David E.; Kessler, Benedikt M.; Oldham, Neil J.; Ratcliffe, Peter J.; Schofield, Christopher J.
CS Henry Wellcome Building for Molecular Physiology, University of Oxford, Oxford, OX3 7BN, UK
SO Journal of Biological Chemistry (2007), 282(33), 24027-24038
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English
 OSC.G 28 THERE ARE 28 CAPLUS RECORDS THAT CITE THIS RECORD (28 CITINGS)
 RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2007:91493 CAPLUS
 DN 146:268875
 TI Structural and Mechanistic Studies on the Inhibition of the
 Hypoxia-inducible Transcription Factor Hydroxylases by
 Tricarboxylic Acid Cycle Intermediates
 AU Hewitson, Kirsty S.; Lienard, Benoit M. R.; McDonough, Michael A.;
 Clifton, Ian J.; Butler, Danica; Soares, Alexie S.; Oldham, Neil J.;
 McNeill, Luke A.; Schofield, Christopher J.
 CS Department of Chemistry, University of Oxford, Oxford, OX1 3TA, UK
 SO Journal of Biological Chemistry (2007), 282(5), 3293-3301
 CODEN: JBCHA3; ISSN: 0021-9258
 PB American Society for Biochemistry and Molecular Biology
 DT Journal
 LA English
 OSC.G 26 THERE ARE 26 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)
 RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2005:391304 CAPLUS
 DN 143:92914
 TI Selective Inhibition of Factor Inhibiting Hypoxia-Inducible
 Factor
 AU McDonough, Michael A.; McNeill, Luke A.; Tilliet, Melanie; Papamicaeel,
 Cyril A.; Chen, Qiu-Yun; Banerji, Biswadip; Hewitson, Kirsty S.;
 Schofield, Christopher J.
 CS Department of Chemistry and the Oxford Centre for Molecular Sciences,
 Chemistry Research Laboratory, University of Oxford, Oxford, OX1 3TA, UK
 SO Journal of the American Chemical Society (2005), 127(21), 7680-7681
 CODEN: JACSAT; ISSN: 0002-7863
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 143:92914
 OSC.G 25 THERE ARE 25 CAPLUS RECORDS THAT CITE THIS RECORD (26 CITINGS)
 RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:355105 CAPLUS
 DN 140:387803
 TI Crystal structure of human asparaginyl
 hydroxylase FIH-1, HIF interaction with
 FIH-1, and applications in drug screening and design
 IN Ratcliffe, Peter John; Pugh, Christopher William; Schofield, Christopher
 Joseph; Hewitson, Kirsty Sarah; Elkins, Jonathan Mark
 PA Isis Innovation Limited, UK
 SO PCT Int. Appl., 289 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2004035812	A2	20040429	WO 2003-GB4492	20031016

WO 2004035812 A3 20040819

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2502541 A1 20040429 CA 2003-2502541 20031016

AU 2003274330 A1 20040504 AU 2003-274330 20031016

AU 2003274330 B2 20090604

EP 1554394 A2 20050720 EP 2003-758318 20031016

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006504415 T 20060209 JP 2004-544485 20031016

MX 2005004033 A 20050608 MX 2005-4033 20050415

US 20070048728 A1 20070301 US 2005-531662 20051021

PRAI GB 2002-24102 A 20021016

GB 2002-26598 A 20021114

WO 2003-GB4492 W 20031016

WO 2003-GR4492 W 20031016

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OS MARPAT 140:387803

OSC.G 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2003:146174 CAPLUS

DN 138:381053

TI Structure of Human FIH-1 Reveals a Unique Active Site
Pocket and Interaction Sites for HIF-1 and von Hippel-Lindau

AU Lee, Cheolju; Kim, Seung Jun; Jeong, Dae Gwin; Lee, Soon Mi; Ryu, Seong
Eon

CS Center for Cellular Switch Protein Structure, Korea Research Institute of
Bioscience and Biotechnology, Daejeon, 305-806, S. Korea

SO Journal of Biological Chemistry (2003), 278(9), 7558-7563
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

OSC.G 69 THERE ARE 69 CAPLUS RECORDS THAT CITE THIS RECORD (69 CITINGS)

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2003:25857 CAPLUS

DN 139:2533

TI Structure of Factor-inhibiting Hypoxia-inducible
Factor (HIF) Reveals Mechanism of Oxidative Modification of
HIF-1.alpha.

AU Elkins, Jonathan M.; Hewitson, Kirsty S.; McNeill, Luke A.; Seibel,
Juergen F.; Schlemminger, Imre; Pugh, Christopher W.; Ratcliffe, Peter J.;
Schofield, Christopher J.

CS University of Oxford, Oxford Centre for Molecular Sciences and the Dyson
Perrins Laboratory, Oxford, OX1 3QY, UK

SO Journal of Biological Chemistry (2003), 278(3), 1802-1806
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English
OSC.G 146 THERE ARE 146 CAPLUS RECORDS THAT CITE THIS RECORD (149 CITINGS)
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2003:3846 CAPLUS
DN 138:283262
TI Structure of factor-inhibiting hypoxia-inducible
factor 1: an asparaginyl hydroxylase involved in the hypoxic
response pathway
AU Dann, Charles E., III; Bruick, Richard K.; Deisenhofer, Johann
CS Howard Hughes Medical Institute and Department of Biochemistry, University
of Texas Southwestern Medical Center, Dallas, TX, 75390, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (2002), 99(24), 15351-15356
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
OSC.G 89 THERE ARE 89 CAPLUS RECORDS THAT CITE THIS RECORD (89 CITINGS)
RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT